243 manifesting itself too violently and afterwards hold back the receding
312 waters. In the Sahel, the arrangements affect the plains bordering the Niger, where earthen dikes protect the rice from the floods and also control the tributary lakes where they join the river, holding the receding waters in the lakes, thus permitting transplantation of the rice and preventing the subsiding flood from drowning the plants before harvest. From 1944 to 1949, 101,550 hectares were regulated in this manner in the upper valley, the Delta, and the valley of the Sahel.
243 There is a plan to regulate 331,000 new hectares by 1956. In addition, experiments in mechanical tillage have begun. Up until now two methods of cultivation have been applied.

a. Without burning: the hoed land is prepared in furrows 40 to 50 centimeters apart; the seeding is done in seed holes 25 centimeters apart along the furrows. (1)

1. L'agronomie tropicale [Tropical Agronomy], July-August, 1950. [Ed., Revue d'agronomie tropicale, 1951.]

b. With burning: the wild grasses are pulled up in March and April and gathered in beds 1 meter wide and 3 to 6 meters long. They are lightly covered with earth and then set on fire. At the end of June the mounds are turned by hoe, and the seeds planted in holes 30 centimeters apart and 4 centimeters deep. Fifteen grains are put in each hole, or 45 to 50 kilograms per hectare. The yields vary between 800 and 1,200 kilograms of paddy per hectare.

To these basic crops are added the following early carry-over crops:

The millets. Fonio (Digitaria exilis) is cultivated in the region of Senegambia, and iburu (D. Iburna) in the central sector of the Sudan.

Maize and banana trees south of Bamako. Maize is the most widespread crop after millet. Nevertheless, some maize is imported
[351] from Dahomey. Banana trees are planted around the huts and form a belt around the villages. They are also planted in the small fields which border the water courses. Large bananas are harvested which are picked green and cooked.

245 Mango trees, recently imported (about fifty years ago), give
177 an excellent yield and are destined to be developed more and more.

342 shovel. A coping of bricks is then laid out around the roof, leaving room for the gutters which spill into the streets. These houses may be topped with a second roof, a thatched cone. The four chief timbers are set at the four angles of the house. There is a door in the first ceiling, and precious goods or objects are kept in this part of the house. As in the round huts, the door always opens to the south.

[237] The outside of the houses are plastered with earth mixed with cow dung; on the inside, the floor and lower part of the walls are daubed with black earth mixed with fresh cow manure and bark from [824] the jumbo tree (Napoleona Heudelotii); the upper walls and the ceiling are covered with white river clay. Where the two colors meet, [531] lines of festoons traced with the finger symbolize the descent of the third Word. On the white walls are painted ladders, calabash spoons, animals, signs conveying [102] the worldly situation of the owner as well as the soul of the artist.

[356] The periphery of the entrance door is daubed with fresh cow [769] dung every 15 days, and more liberally with rotted cow dung once a year before the rains. This custom is linked to ancestor worship.

Canari [earthenware vessels] containing certain plants are 353 buried under the bed of the head of the family; other plants and 352 juice from roots are hidden under the women's beds. The boli are hooked to the roofing of the houses for they must touch neither earth, water, nor fire. Nets, diakumadjulu, are hung from the ceiling; they hold clothes or calabashes for the food; mats or animal skins are spread on the ground; beds, different-sized calabashes, and stools complete the furnishings. The different huts belonging to one family 351 342 are surrounded by a wall that opens into the vestibule of a hut with two doors, oriented north-south. This is where the head of the [354] family receives strangers. In the inside court are found hearths made of three stones, mortars for millet, and chicken coops, a sort of small square hut made of clay mixed with straw. The granaries, 343 constructed on piles, have the form of round huts. They are divided 251 into four parts, where the four principal grains are kept: millet, rice, fonio, ground nuts. Some grains may be kept together in the same compartment, for example, millet and ground nuts. Certain granaries, bonio, are veritable cigar-shaped pots made by the blacksmiths' wives. When the bonio is finished, it is cut into sections